

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	((MI EZI) near2 (SUGI YAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 11:49
S2	4	((YOSHI MASA) near2 (ANDO)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 11:49
S3	11	((YOSHI YUKI) near2 (TANI GUCHI)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 11:51
S4	1	((MI EZI) near2 (SUGI YAMA)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/05/20 11:51
S5	31	((YOSHI MASA) near2 (ANDO)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/05/20 11:52
S6	72	((YOSHI YUKI) near2 (TANI GUCHI)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/05/20 11:52
S7	482	fix\$2 near2 bed and react\$3 near4 tube same catalyst and hot spot	US-PGPUB; USPAT	ADJ	ON	2008/05/20 12:25
S8	532	fix\$2 near2 bed and react\$3 near4 tube same catalyst and (hot spot or hotspot)	US-PGPUB; USPAT	ADJ	ON	2008/05/20 12:27
S9	70	S8 and "422"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 12:30
S10	7	("3566961" "3850233" "3871445" "3898295" "4657741" "4929798" "5161605").PN. OR ("7316804").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 12:41
S11	0	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 12:54
S12	1	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 12:54
S13	147	S8 and temperature near4 (sensor or measur\$4)	US-PGPUB; USPAT	ADJ	ON	2008/05/20 13:03
S14	9	("3871445" "4203906" "4256783" "5149884" "5277247" "5821390").PN. OR ("6808689").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 13:25
S15	216	422/107.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 13:45
S16	3	S15 and (hot spot or hotspot)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 13:45
S17	1	S15 and fix\$2 near2 bed with reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 13:47
S18	1	"4929798".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 14:53
S19	27	("2803440" "3547188" "3566961" "3807963" "4101287" "4235281" "4303618" "4305910" "4336770" "4363787" "4378336").PN. OR ("4929798").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 14:54

S20	4328	422/197,198,200,201,190.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 15:20
S21	138	S20 and fix\$2 near2 bed and react\$3 near3 tube	US-PGPUB; USPAT	ADJ	ON	2008/05/20 15:21
S22	4	S21 and multitubular	US-PGPUB; USPAT	ADJ	ON	2008/05/20 15:21
S23	4	("4368173").URPN.	USPAT	ADJ	ON	2008/05/20 15:23
S24	14	("4929798").URPN.	USPAT	ADJ	ON	2008/05/20 15:24
S25	17	S21 and (multitubular or multi near2 tubular)	US-PGPUB; USPAT	ADJ	ON	2008/05/20 15:27
S26	44	("4256783").URPN.	USPAT	ADJ	ON	2008/05/20 15:29
S27	23	("1439283" "1921988" "2232936" "3915124" "4249593" "4256783" "4431049" "4434840" "4511162" "4526409" "4641608" "4837360" "5101892" "5355945" "5378026" "5542715" "5615738" "5739391" "5775414" "5821390").PN. OR ("6431261").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 15:35
S28	10	("4488239").URPN.	USPAT	ADJ	ON	2008/05/20 16:12
S29	2	("5018086").URPN.	USPAT	ADJ	ON	2008/05/20 16:12
S30	1	"4929798".pn.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 16:31
S31	1	"6333011".pn.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 17:10
S32	15	("3147084" "3285713" "3645701" "3656914" "3736355" "4224187" "4267386" "4342699" "4929798" "5739391").PN. OR ("6333011"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/05/20 17:14
S33	1	"4342699".pn.	US-PGPUB; USPAT	ADJ	ON	2008/05/20 17:28
S34	4	((MIEZI) near2 (SUGIYAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/02 11:49
S35	4	((MIEZI) near2 (SUGIYAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S36	4	((YOSHIMASA) near2 (ANDO)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S37	14	((YOSHIMASA) near2 (TANIGUCHI)). INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S38	1	((MIEZI) near2 (SUGIYAMA)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:49
S39	31	((YOSHIMASA) near2 (ANDO)).INV.	EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:49
S40	72	((YOSHIMASA) near2 (TANIGUCHI)). INV.	EPO; JPO; DERWENT	ADJ	ON	2008/12/05 11:49

S41	503	fix\$2 near2 bed and react\$3 near4 tube same catalyst and hot spot	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S42	565	fix\$2 near2 bed and react\$3 near4 tube same catalyst and (hot spot or hotspot)	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S43	82	S42 and "422"}/\${ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S44	7	("3566961" "3850233" "3871445" "3898295" "4657741" "4929798" "5161605").PN. OR ("7316804").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S45	0	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S46	1	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S47	162	S42 and temperature near4 (sensor or measur\$4)	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S48	9	("3871445" "4203906" "4256783" "5149884" "5277247" "5821390").PN. OR ("6808689").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S49	225	422/107.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S50	3	S49 and (hot spot or hotspot)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S51	1	S49 and fix\$2 near2 bed with reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S52	1	"4929798".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S53	29	("2803440" "3547188" "3566961" "3807963" "4101287" "4235281" "4303618" "4305910" "4336770" "4363787" "4378336").PN. OR ("4929798").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S54	4443	422/197,198,200,201,190.ccls.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S55	143	S54 and fix\$2 near2 bed and react\$3 near3 tube	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S56	4	S55 and multitubular	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S57	4	("4368173").URPN.	USPAT	ADJ	ON	2008/12/05 11:49
S58	16	("4929798").URPN.	USPAT	ADJ	ON	2008/12/05 11:49
S59	18	S55 and (multitubular or multi near2 tubular)	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S60	45	("4256783").URPN.	USPAT	ADJ	ON	2008/12/05 11:49

S61	23	("1439283" "1921988" "2232936" "3915124" "4249593" "4256783" "4431049" "4434840" "4511162" "4526409" "4641608" "4837360" "5101892" "5355945" "5378026" "5542715" "5615738" "5739391" "5775414" "5821390").PN. OR ("6431261").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S62	10	("4488239").URPN.	USPAT	ADJ	ON	2008/12/05 11:49
S63	2	("5018086").URPN.	USPAT	ADJ	ON	2008/12/05 11:49
S64	1	"4929798".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S65	1	"6333011".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S66	16	("3147084" "3285713" "3645701" "3656914" "3736355" "4224187" "4267386" "4342699" "4929798" "5739391").PN. OR ("6333011").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/12/05 11:49
S67	1	"4342699".pn.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S68	4	((MI EZI) near2 (SUGI YAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2008/12/05 11:49
S69	4	((MI EZI) near2 (SUGI YAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S70	4	((YOSHIMASA) near2 (ANDO)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S71	14	((YOSHIMASA) near2 (TANIGUCHI)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S72	1	((MI EZI) near2 (SUGI YAMA)).INV.	EPO; JPO; DERWENT	ADJ	ON	2009/05/14 15:01
S73	31	((YOSHIMASA) near2 (ANDO)).INV.	EPO; JPO; DERWENT	ADJ	ON	2009/05/14 15:01
S74	72	((YOSHIMASA) near2 (TANIGUCHI)).INV.	EPO; JPO; DERWENT	ADJ	ON	2009/05/14 15:01
S75	519	fix\$2 near2 bed and react\$3 near4 tube same catalyst and hot spot	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S76	583	fix\$2 near2 bed and react\$3 near4 tube same catalyst and (hot spot or hotspot)	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S77	87	S76 and "422"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S78	7	("3566961" "3850233" "3871445" "3898295" "4657741" "4929798" "5161605").PN. OR ("7316804").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S79	0	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S80	1	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01

S81	173	S76 and temperature near4 (sensor or measur\$4)	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S82	9	("3871445" "4203906" "4256783" "5149884" "5277247" "5821390").PN. OR ("6808689").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S83	230	422/107.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S84	3	S83 and (hot spot or hotspot)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S85	1	S83 and fix\$2 near2 bed with reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S86	1	"4929798".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S87	29	("2803440" "3547188" "3566961" "3807963" "4101287" "4235281" "4303618" "4305910" "4336770" "4363787" "4378336").PN. OR ("4929798").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S88	4557	422/197,198,200,201,190.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S89	153	S88 and fix\$2 near2 bed and react\$3 near3 tube	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S90	4	S89 and multitubular	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S91	4	("4368173").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S92	16	("4929798").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S93	20	S89 and (multitubular or multi near2 tubular)	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S94	46	("4256783").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S95	24	("1439283" "1921988" "2232936" "3915124" "4249593" "4256783" "4431049" "4434840" "4511162" "4526409" "4641608" "4837360" "5101892" "5355945" "5378026" "5542715" "5615738" "5739391" "5775414" "5821390").PN. OR ("6431261").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S96	10	("4488239").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S97	2	("5018086").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S98	1	"4929798".pn.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S99	1	"6333011".pn.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01

S100	18	("3147084" "3285713" "3645701" "3656914" "3736355" "4224187" "4267386" "4342699" "4929798" "5739391").PN. OR ("6333011").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S101	1	"4342699".pn.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S102	4	((MI EZI) near2 (SUGI YAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S103	4	((MI EZI) near2 (SUGI YAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S104	4	((YOSHIMASA) near2 (ANDO)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S105	14	((YOSHIMASA) near2 (TANIGUCHI)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S106	1	((MI EZI) near2 (SUGI YAMA)).INV.	EPO; JPO; DERWENT	ADJ	ON	2009/05/14 15:01
S107	31	((YOSHIMASA) near2 (ANDO)).INV.	EPO; JPO; DERWENT	ADJ	ON	2009/05/14 15:01
S108	72	((YOSHIMASA) near2 (TANIGUCHI)).INV.	EPO; JPO; DERWENT	ADJ	ON	2009/05/14 15:01
S109	519	fix\$2 near2 bed and react\$3 near4 tube same catalyst and hot spot	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S110	583	fix\$2 near2 bed and react\$3 near4 tube same catalyst and (hot spot or hotspot)	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S111	87	S110 and "422"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S112	7	("3566961" "3850233" "3871445" "3898295" "4657741" "4929798" "5161605").PN. OR ("7316804").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S113	0	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S114	1	"2003006026"	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S115	173	S110 and temperature near4 (sensor or measur\$4)	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S116	9	("3871445" "4203906" "4256783" "5149884" "5277247" "5821390").PN. OR ("6808689").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S117	230	422/107.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S118	3	S117 and (hot spot or hotspot)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S119	1	S117 and fix\$2 near2 bed with reactor	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S120	1	"4929798".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01

S121	29	("2803440" "3547188" "3566961" "3807963" "4101287" "4235281" "4303618" "4305910" "4336770" "4363787" "4378336").PN. OR ("4929798").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S122	4557	422/197,198,200,201,190.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S123	153	S122 and fix\$2 near2 bed and react \$3 near3 tube	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S124	4	S123 and multitubular	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S125	4	("4368173").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S126	16	("4929798").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S127	20	S123 and (multitubular or multi near2 tubular)	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S128	46	("4256783").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S129	24	("1439283" "1921988" "2232936" "3915124" "4249593" "4256783" "4431049" "4434840" "4511162" "4526409" "4641608" "4837360" "5101892" "5355945" "5378026" "5542715" "5615738" "5739391" "5775414" "5821390").PN. OR ("6431261").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S130	10	("4488239").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S131	2	("5018086").URPN.	USPAT	ADJ	ON	2009/05/14 15:01
S132	1	"4929798".pn.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S133	1	"6333011".pn.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S134	18	("3147084" "3285713" "3645701" "3656914" "3736355" "4224187" "4267386" "4342699" "4929798" "5739391").PN. OR ("6333011").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/14 15:01
S135	1	"4342699".pn.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S136	4	((MI EZI) near2 (SUGI YAMA)).INV.	US-PGPUB; USPAT	ADJ	ON	2009/05/14 15:01
S137	717	585/640.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 11:58
S138	101	S137 and \$6tubular reactor	US-PGPUB; USPAT	ADJ	ON	2009/05/18 12:00

S139	32	("20010020116" "20020087041" "20030004384" "4499327" "4597771" "4670993" "4677242" "4677243" "4684375" "4752651" "4973792" "5475182" "5714662" "5744680" "5817906" "5914433" "5962762" "5990369" "6005150" "6023005" "6040264" "6121503" "6121504" "6166282" "6187983" "6303839" "6303841" "6441261" "6455747" "6455749" "6482998" "6482999").PN. OR ("7084319").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/18 12:06
S140	741	585/639.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 12:13
S141	295	562/545.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 12:30
S142	311	562/531.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 12:31
S143	741	585/639.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:07
S144	295	562/545.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:07
S145	311	562/531.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:07
S146	65	(S143 or S144 or S145) and "422"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:07
S147	378	562/532,544.ccls.	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:11
S148	695	(S143 or S144 or S145 or S147) and fixed near2 bed	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:13
S149	120	S148 and hot near2 spot	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:13
S150	239	(S144 or S145 or S147) and fixed hear2 bed	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:27
S151	59	S150 and hot near2 spot	US-PGPUB; USPAT	ADJ	ON	2009/05/18 13:28
S152	10	("20030065194" "5006131" "5149884" "5677261" "5772870" "6057481" "6582667" "6808689" "6946573").PN. OR ("7144557").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/05/18 13:44

5/ 18/ 2009 6:11:29 PM

C:\Documents and Settings\lseifu\My Documents\EAST\Workspaces\10564434.wsp